

Military Necessity Produces Attractive By-Products

(Editor's Note: The following remarks are excerpts from a talk entitled "The Atomic Energy Commission And Your Future" by Commissioner Robert E. Wilson, United States Atomic Energy Commission for presentation at the National Youth Conference on the Atom on November 10, 1962. Although many of our activities at Y-12 cannot be discussed nor can the extent of our participation in contributing to the nation's defense be revealed, it is felt that Dr. Wilson's remarks may add purpose and meaning to those activities in which we are directly or indirectly involved.)

"One of the major fields of which our potential enemies which you will necessarily hear very little, but in which many of our most able atomic scientists have been working for the past 15 or 20 years, is the development and production of atomic and thermonuclear weapons for the defense of our country. I realize that, to many of you idealistic young people, the thought of devoting your talents to the development of weapons for a possible war may be rather abhorrent, at least in times of peace. But I really think that that viewpoint will not stand careful analysis in the present world of crisis. I know of no group who more fully appreciate the horrors of war, and are more anxious to avoid it, than the scientists and engineers who have been working to make our nuclear weapons more efficient, less expensive, more versatile and capable of more selective use for the defense of this country. They really understand the terrible nature of a possible nuclear war, and they feel that they owe it to their country to continue working in this vitally important field in order to deter our enemy from starting one. As Winston Churchill stated in my presence in 1949, in his considered opinion all Europe would have already been overrun by Russia had it not been for America's possession of the atomic bomb—and we might give more recent examples.

"Anyone familiar with our nation's democratic and religious background knows that these weapons in our hands will never be used to start a war, but we are dealing with a potential enemy who has neither a democratic nor a religious background, whose stated purpose is world domination, and whose every effort has been aimed in that direction. Think how horrible the world situation would be today if that enemy had forged ahead of us in nuclear weapons. True, they have frequently prattled about their desire for complete disarmament, especially of our nuclear weapons, but they have always resisted any proposals which would give the western world assurance that such alleged disarmament would be subject to adequate inspection. Without such assurance we would not dare to discard our most potent weapons and go back for our defense to massed manpower, in

Full Disclosure Limited

"Because of necessary security restrictions, you do not hear much about the large and devoted group of scientists who have worked so long and intensively on these weapons at great laboratories like those at Los Alamos and Livermore, or at the related laboratories which work on methods for the production of essential raw materials at Oak Ridge, Hanford, Savannah River, and other production installations. Also, many other scientists have been working on these problems in smaller laboratories at numerous other locations. This work has in many cases been brilliant, of a basic character and caliber which would ordinarily have won several Nobel prizes or other similar awards in science, but few of these men have received adequate public recognition because so much of their work must be classified as secret.

Peaceful By-Products

Furthermore, it is my firm opinion that if we had not, under the pressure of military necessity and at staggering expense, developed the remarkable processes for the production and separation of these fissionable materials on a large scale, we would today have very little of the attractive possibilities for peaceful uses which have come largely as by-products of the tremendous wartime and postwar efforts of this group of scientists. Much of the work on such widely different technologies as the metallurgy of important metals and alloys, and the development of important electronic devices and high speed computers has been done in direct connection with nuclear weapons development. Some of those working on peaceful uses who would draw around themselves a cloak of superiority because they are not working on weapons, owe the very existence of their whole field of work, if not their own existence as free men, to the fact that these other scientists have been and still are working on weapons or the constituents thereof. I hope that if world conditions do not improve many of you young men may take up this essential military work and keep America always in the forefront of this vital field. Of course, if we can get an ironclad agreement on nuclear disarmament with adequate inspection and safeguards, we will be glad to concentrate on peaceful uses.

"Incidentally, while on the subject, just stop and think how frustrated we would feel today if President Kennedy had not authorized the resumption of the testing of nuclear weapons, both underground and in the atmosphere, in spite of considerable opposition both at home and abroad. It is hardly necessary to say that the development of improved weapons depends critically on such testing."



EARLY TICKET HOLDERS FOR the Big Y-12 Christmas Dance set for Friday, December 14, are Roger F. Hibbs, Y-12 Plant Superintendent, left, and Jack Case, Assistant Superintendent, at right. Mildred Kidwell Scott, center, smilingly makes the transactions.

Traditional Christmas Dance Is Big Event In Y-12 As Holiday-Minded Employees Start Season

Friday marks the big day for Y-12ers, as they gather for their traditional Christmas dance. That is this Friday, December 14. Festivities get underway at 9 p.m. and continue until 1 a.m.

Music for the gala affair will be provided by the O. J. Bailey Orchestra, from Chattanooga.

Tickets are only \$1.50 per person, or \$3 per couple, and are available at the Recreation Office, or at the Cafeteria from either cashier. They will also be made available at the door of the

Oak Terrace, prior to the dance.

No Table Reservations

Tables at the Terrace will be on a first come, first served basis, as no reservations are being taken.

Big door prizes are offered to three lucky stub holders. In the festive Christmas mood, a turkey, ham, and a fruit cake will be awarded during intermission.

The tunesmiths from Chattanooga, under Bailey's baton, are making their third popular appearance before Y-12 audiences. They played at last year's big

Christmas dance, also at the Spring get together. Their smooth interpretations of the popular tunes of the day have won many fans attending previous dances.

The Oak Terrace ballroom has been refurbished, and is more attractive than ever. It also is large enough to accommodate a plant-wide party.

The Carbide Kids' parties will be given Saturday, December 22, at the Oak Ridge High School, Oak Ridge. An application is included on page four of this Bulletin. Dead-line for filling ticket applications is next Tuesday, December 18. No tickets will be mailed out after that.

A word of caution: many ticket applicants failed to put their city on the form. **Please include complete address.** The flood of applications into the Recreation Office looks as if this will be a record year for the children's parties.

Remember, Friday, December 14 is a big day for Carbide adults ... then Saturday, December 22, it's the Kids turn to shine!

Bagwell Named To Foreman Rank

Named to maintenance foreman, effective December 1, is Thomas D. Bagwell, former instrument mechanic in the Electrical Department.

Bagwell, whose continuous service date is February 2, 1956, is a graduate of Oak Ridge High School. He also attended David Lipscomb College, Nashville. A veteran of the United States Army, he served from 1953 until 1955.

Born in Oakman, Alabama, the new foreman lives at Route 3, Oliver Springs. He is married to the former Nadine Branham.



T. Bagwell

Long Week-Ends Set For Both Holidays

Y-12ers have long holiday week-ends coming in December. Monday, December 24 is a scheduled off day. Employees will work Saturday, December 29. Monday, December 31 is another scheduled day off. This will be made up Saturday, January 5.

Happy Holiday Season

UCNC'S Y-12 ANNUAL Christmas DANCE

O.J. BAILEY'S ORCHESTRA

OAK TERRACE, BALLROOM

150 Per Person
TAX INCL.

DEC. 14, 1962
9: P.M. to 1: A.M.

DOOR PRIZES

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
Three Days Or
54,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through December 9
Phone 7755
For Daily Report
On Accident-Free Hours

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
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ENGAGEMENTS



Miss Elizabeth Ann Harness

HARNES-PUFFER

Mr. and Mrs. Oliver Burton Harness, Route 4, Clinton, announce the engagement of their daughter Miss Elizabeth Ann Harness to James Allen Puffer, Chattanooga. The bride-to-be's father is in Y-12's Area Five Maintenance.

The groom is the son of Mr. and Mrs. Frank A. Puffer, 3702 Whitehead Avenue, Chattanooga. He attended the University of Tennessee, and is presently employed by the Chattanooga Utilities Board.

Miss Harness is a 1961 graduate of Clinton High School, where she was a member of the band and an attendant of the queen at the junior prom. She also attended Knoxville Business College. She was a member of several clubs, and on the staff of the Dragon's Tale and participated in the Junior Class play.

The wedding is set for Saturday, December 15, at 2:30 p.m. at the South Clinton Baptist Church. Friends of the couple are invited to attend the rites.

ORNL's Shipley To Speak At AIEE Meet Tomorrow

The Oak Ridge section of the American Institute of Electrical Engineers will have their December meeting tomorrow, Thursday, December 12, at 7:30 p.m. in the Green Room of the Ridge Recreation Hall. Guest speakers will be Dr. E. D. Shipley, deputy director of the Thermonuclear Division of Oak Ridge National Laboratory, and a director of the Oak Ridge section of AIEE.

The subject of Dr. Shipley's address will be "A Most Recent Explanation of the ORNL Thermonuclear Program." His talk will be accompanied by a short film made for British television. Phases of experimentation not shown here before will be included in the film. All AIEE members and guests should find this to be a most interesting and informative meeting.

Refreshments will be served following the technical session.



It hardly seems possible that we are getting ready to wish everyone a happy one, does it? Yet, next week's Bulletin will be the final issue of the year... so let's fill the old column up with holiday activities from all over.

This week, they're telling in...

INDUSTRIAL RELATIONS

The George McNamees, he's in the Cafeteria, are visiting daughter Rita and her family in Shelbyville... David Treece is vacationing at home in Knoxville, hunting.

Fire and Guardsmen are sending get well wishes to P. C. Goins in Oak Ridge Hospital... to John T. Maxwell's little son, who was injured last week in a motor bike accident and to F. A. Ruckart's mother-in-law, ill in Alabama.

Sympathy is sent to the J. B. Quinn family... his brother passed away recently.

FINANCE AND MATERIALS

Deepest sympathy is extended to Birdie Fitzgerald, Timekeeping, on the recent death of her brother.

Property tells that Gertrude Gentry is enjoying a visit with her twin sons who are home on leave from the Air Force at Keesler Field in Mississippi. The boys will be home for the holidays; after that they will be stationed in Montana.

It's rumored that some Indian tribes in the West are using filtered smoke signals.

ENGINEERING

Tool Engineering is welcoming back G. W. Martin to the Beta Four Design Group. Gary has been located in the 9723-15 group... B. D. Chambers is moving his headquarters to the big machine shop.

Welcome in to Phil Maguire. Phil comes to us from Bowling Green, Kentucky.

Down in Beta Four, its told that Don Stinnett fed his little sports convertible a special brand of vitamins. It suddenly has blossomed into a beautiful convertible about five times its original size.

Vacationing at home this week is Bill Hood, getting in some last minute shopping. Herb Pohto, another vacationer, says he is on one of those honey-do vacations.

J. L. Bassett and friends enjoyed a Christmas dinner and dance at the Deane Hill Country Club last Saturday. Good food and a wonderful time were enjoyed by all.

Some borrowing neighbors take everything but a hint.

MAINTENANCE



Larry G. Calloway

A 1962 graduate of Clinton High School is this Airman 3rd class, Larry G. Calloway. He is the son of Mr. and Mrs. James J. Calloway, Route 4, Clinton. His father is in Y-12's Area Five Maintenance. Larry has completed basic training and just received his first stripe. He is currently

stationed at Sheppard Air Force Base, Texas.

Process Maintenance folks are congratulating the William J. Smith's on the arrival of a baby boy November 20, at 8:17 p.m. at the Baptist Hospital. He tipped in at seven pounds, 14 and one-half ounces.

Research Services has the J. T. Schmitt's welcoming in a new son, born November 29, weighing seven pounds, four ounces.

The Department welcomes back Della Lewis after an extended illness... Sympathy is extended J. E. Summers in the recent death of his father... Helen Sisson is still going around with that arm in a cast, but says "Santa" has promised to take it off.

Electrical has C. F. Pirkle grinning from ear to ear. Why? His new grand-daughter, Lisa Sue Sands, who arrived November 29. Of course, you can get him to tell you all about his first grand-baby (if you have time). It's heard he brought in cigars by the boxes. (No wonder there's a smoke screen at the pump shop.)

Also boasting a new grandson is C. F. Berney. James Allen Heagy was born September 9... and gramps has had time to calm down a little by now. But he has not seen the boy as yet and is looking forward to taking a peek at his fourth grandchild.

Sympathy is extended to E. H. Bass in the recent death of his aunt in Oliver Springs.

Get well wishes go to A. E. Morton, R. E. Douglas, and H. J. Tate... But welcome backs to J. F. Johnson and H. C. Borum who have been on the ailing list.

MECHANICAL OPERATIONS

Machine Maintenance is sending get well wishes to H. L. Hunter and E. L. Pugh on the ill list... Walter Barwick decided to take off last week to visit relatives in Utica, New York.

The General Machine Shop welcomes Charles H. Bowman into its ranks... One vacationer is noted as C. O. Mathena is taking three weeks just relaxing at home.

The reasons bees hum is that most of them don't know the words!

SHIFT SUPERINTENDENTS AND UTILITIES

Vacationing, but not saying where, are G. L. Carson and D. G. Watson.

Condolences are extended to L. R. Riley in the recent death of his aunt. She was 86 years old and lived in Tazewell.

Vacationing at home is J. R. DeMonbrun.

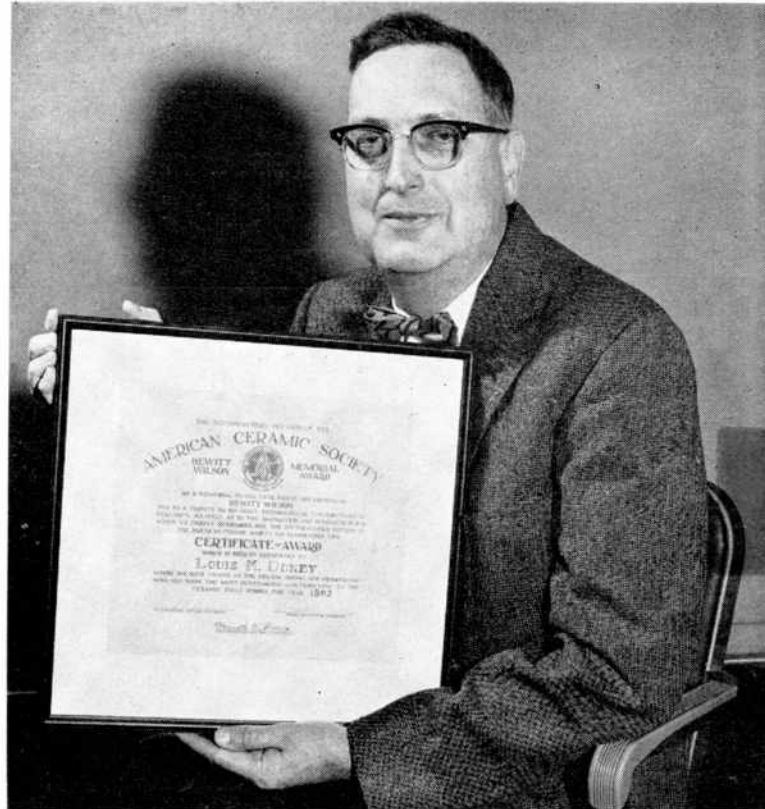
Fall On Ice Brings 6th Lost-Time Mishap

The sixth lost-time accident for 1962 was registered in Y-12 last week, as an Oak Ridge National Laboratory employee in Y-12 fell and broke his knee. The first real ice of the season accounted for the fall. Surgery was required to correct the injured knee cap and the employee will be hospitalized for some time.

This ended the current string of accident-free days at 29, or approximately 909,000 man-hours.

Three of this year's six lost-time accidents have been bone fractures. Falls from any height are painful and often injurious. During the winter months, extreme care should be exercised on ice or snow on the pavements or walks in the plant.

Check those in the plant not displaying a badge or pass.



LOUIS M. DONEY, CERAMICS AND PLASTICS, is seen with the certificate of merit he received recently from the Southeastern Section of the American Ceramic Society. The award was made for Doney's outstanding contribution to the field of ceramics for 1962.

Louis M. Doney Receives Hewitt Wilson Award For Contributions In Ceramic Field

Y-12 Development Engineer Honored By Southeastern Section Of The ACS For 1962

Louis M. Doney, development engineer in Y-12's Ceramics and Plastics Development Department, has been singularly honored for contributions in his field for the past year. He is the recipient of the Southeastern Section of the American Ceramic Society's Hewitt Wilson Memorial Award.

The certificate of award states that Doney's efforts for 1962 were the "most outstanding contribution to the ceramic field" for the year. Nine states of the Southeast comprise the ACS Chapter.

In lay language a ceramist is believed to be a dealer in pottery art, according to Doney. Industrially, the ceramics field covers the cement, porcelain, glass and brick installations as well as others. Research and development in this field is an important function in Y-12.

The Wilson award is named for the memory of Hewitt Wilson, noted ceramist and former director of the Norris Station of the United States Bureau of Mines. The late Wilson was one of the most noted ceramists, both in this section and nationally. He served as counselor for the ACS sub-section.

Doney came to Y-12 September 6, 1960, after almost 10 years in Oak Ridge National Laboratory's material research. He is a graduate of the University of Illinois, and was born in Fulton, Illinois.

He lives at Route 20, Macklin Lane, Knoxville, in the Karns Community, where he is also active in the Lions Club and the Tennessee Conservation League. Last year he was named the top secretary in the Lions District 12-N.

Y-12ers Celebrating 15, 10 Year Anniversaries

Congratulations to the following Y-12ers who will observe 15 and 10 year anniversaries with Carbide within the next few days.

15 YEARS

Lee F. Kennedy, Area Five Maintenance, December 17.

Roscoe A. Angel, Property, December 17.

10 YEARS

David E. Bailey, Fire Department, December 12.

Buford W. Rea, Beta Two, December 15.

James D. Starnes, A-2 Shop, December 16.

Eugene F. Dalton, Special Mechanical Production, December 17.



Two New Films On Atom Now At Local AEC Office

The local Atomic Energy Commission office has available for free loan the first two films in a new 12-part semitechnical series entitled "Understanding the Atom." The films are designed primarily for high school and junior college level, and for instructional television. The material is presented as lecture-demonstrations by Dr. Ralph T. Overman, Chairman of the Special Training Division of the Oak Ridge Institute of Nuclear Studies.

The films are "Alpha, Beta and Gamma," and "Radiation and Matter." Each picture has a running time of 44 minutes. The films are in 16 mm black and white, and may be obtained from the Public Information Office, AEC, Oak Ridge.

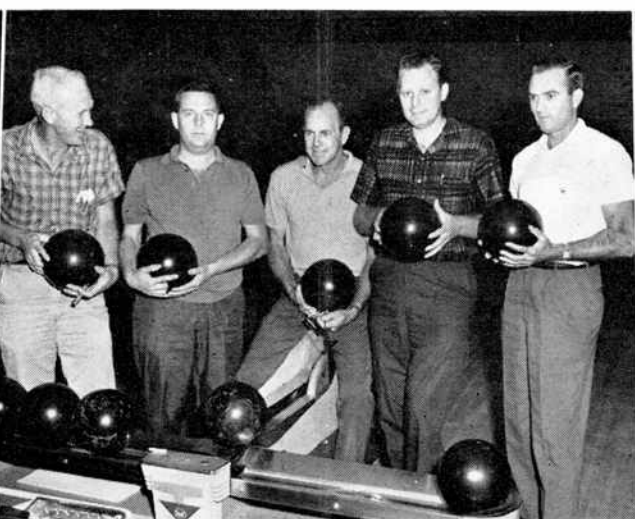
Junior Playhouse Gives "Shoemaker And Elves"

The Junior Playhouse winter production, the "Shoemaker and the Elves" will be presented this Sunday, December 15, at the Playhouse in Jackson Square.

Tickets are available at the box office prior to the curtain. Performances will be given at 2 and 4 p.m., Sunday.



THREE BIG TEAMS from the C League for Y-12 bowlers offer stiff competition for any challengers. At left, reading from left, are the men who call themselves the C Shift team, C. M. Bryant, H. A. Lay,



R. B. Johnston, C. Parrott, and M. L. Cooper. In the center are the Rounders, Capt. J. C. Bryan, D. R. Kessel, Arnold Tiller, O. T. Rackley and J. E. Morgan. The SP's are at right, Capt. B. D. Cofer, Finley



Creigh, J. L. Hicks, H. M. Burnett, and L. M. Meadows. The C League rolls Monday afternoons at 5:45 p.m. at the Ark Lanes, Oak Ridge. Plenty of action is seen every Monday in Big C League action.

Big Turkey Shoot Planned Saturday

There's a big Turkey Shoot set for Saturday, December 15, at the Oak Ridge Sportsman's Association fields. The shoot-out is planned by the combinations of E, F, G, H. & J. Shift Recreation folks, but all Y-12ers are invited.

Competition will center around shotgun, rifle and pistol firing. Drawing awards consist of a 22 caliber rifle, fiberglass bow and arrows and men's two-suitier luggage.

There will be refreshments on the grounds for hungry marksmen.

Firings get underway at 10 a.m. Saturday.

Shot-gun ranges will be of the 12, 16 and 20 gauge class, and ammo for these must be bought on the grounds. Rifle and pistol ammunition may be brought from home. There is no line fee for firing.

The cautious, safe-handling of guns is urged, and open guns are demanded at all places except on the firing lines.

A limit of two turkeys per shooter is in effect. Members of the family may attend with an employee, but awards must be made in the name of an employee.

Pin Plasters Keep Mixed League Lead

Hagood And Gaylor Post High Tallies

The Pin Plasters extended their lead in the Mixed League for Y-12 bowlers last week by downing the Cool Cats by three points. Other three point wins were posted by the Ghosts over the Toppers, and the Alley Cats over the Goofers. The only four-point win of the week was the Scrappers as they scrapped the Phantoms, but good.

Virginia Newby, Goofers, took single honors on the distaff side, rolling a 156 scratch, 204 handicap game. Georgia Rader, Pin Plasters, rolled high scratch series with 415, while Sue Davidson, Toppers, had high handicap series with 579. Men-wise it was Bob Hagood, Alley Cats, on singles with a 220 scratch, 243 handicap game. C. G. Gaylor, Pin Plasters had series tops with a 593 scratch, 653 handicap tally.

Team-wise the Goofers, despite their three-point loss, registered a 584 game in scratch, 808 in handicap, and 1777 series scratch markings. The Alley Cats took series handicap tops with 2298.

League standings follow:

Team	Won	Lost
Pin Plasters	35	9
Goofers	29	15
Cool Cats	29	15
Ghosts	21	23
Phantoms	19	25
Alley Cats	19	25
Scrappers	19	25
Toppers	12	32

Eagles Lose First Basketball Game

New Star Rises On All Star Team

The Carbide Basketball League roared into its second week of action with some startling revelations. Early in the week two Oak Ridge Gaseous Diffusion Plant teams collided as the All Stars trimmed the Lab Demons 53 to 35.

Frank Clark, All Stars, and a newcomer on the hardwood in league play, led the victors by scoring 25 points. Ed Woy, N. Sugarman and Steve Cates led the losers scoring 12, 10, and seven respectively. They also played outstanding defensive games, despite their loss.

The Y-12 Eagles downed the Misfits, also from Y-12, Tuesday, by a 40 to 30 tally. Bob Culton, forward for the Eagles, led scoring with 16 through the basket. The Eagles led at every stop. Starting cold, the Misfits warmed up during the game, but never became hot enough to overtake the commanding lead established by the high-flying Eagles.

Y-12's Atoms also clipped the Misfits later in the week as they rolled over them 56 to 40. Jim George led the Atoms with 28 points, followed by Edd Cothron's 15. C. A. Peters, Misfits, led the losers with 13.

The big game of the week saw the ORGDP All Stars swamp the Y-12 Eagles, 68 to 33. Frank Clark's star really rose for the All Stars as he put 47 big points through, jump shooting with one hand a step or two in front of the foul circle. Ralph Vaughan led the losing Eagles with 11 points;

Welfare-Swartout Keep Skeet Lead

McNabb-Powers Shoot 44/50 Single Match

Fred Welfare and J. A. Swartout continued their hold on the lead of Carbide Skeeters last week as their total three-shot score came to 130. The high score for a single shoot was made by McNabb and Powers with a 44/50 tally.

The next shoot in the Skeet League for Carbiders is set for Sunday, December 16, at the Oak Ridge Sportsman's Association's field in Oak Ridge.

League standings follow:

Team	Points
Swartout-Welfare	130
Bahler-Brewster	126
Davy-Asmanes	123
McNabb-Powers	118
Patton-Preskitt	117
Case-Hamby	93
Schaefer-Cuthbert	91
Steward-Bender	74
Patterson-Murray	71
Wiest-Bailey	70
Sahr-Hopkins	51
Davis-Lewin	26

*—Incomplete scores.

Race Is Close For C League's First 5 Teams

The two top teams in the C League for Y-12 bowlers clipped their opponents last week by the full count of four, as the Sunflowers struck down the Lucky Strikes, and the Rounders rounded off the SP's. The only other big win saw the Big Five bust up the Par Busters. A three and one-half point win was registered by the Hookers over the Strikers. The Screwballs downed C Shift by three, and the Hi Lifers and Rodders ended in a draw, each splitting two.

Bill Shelton, Smelters, took high scratch game of the day with a 222 score. E. S. Smith, Screwballs, rounded off the rest of the honors by rolling a 241 handicap single game, 595 series scratch and 682 handicap series. The Rounders took singles with 934 scratch, 2699 series scores; and single handicaps with 1024. The Sunflowers cinched handicap series tops with 2988.

League standings follow:

Team	Won	Lost
Sunflowers	40	12
Rounders	37	15
Hi Lifers	34½	17½
Lucky Strikes	34½	17½
Big Five	32	20
C Shift	23	29
Strikers	22½	29½
Par Busters	21	31
Rodders	21	31
Hookers	18½	33½
SP's	18	34
Screwballs	13	39

Bob Culton and John Pridgeon scored 10 each.

Clark hit approximately 85 per cent of his shots from the floor, in an amazing display of basket accuracy.

League standings follow:

Team	Won	Lost
Atoms	2	0
Flyers	1	0
All Stars (ORGDP)	2	1
Eagles	0	1
Lab Demons (ORGDP)	0	2
Misfits	0	3

Rebels-Swingsters Tie Classic Lead

Tigers Sweep Boards With Hi Team Scores

The Classic League for Y-12 bowlers got bound up again last week. The Rebels and Swingsters are tied for first slot. The Swingsters split two points with the Wolves; while the Rebels lost four to the Playboys. Other four point wins saw the Has Beens over the Screwballs, and the All Stars over the Eightballs. Three points wins were posted by the Cubs over the Smelters and the Tigers over the Sportsmen. Splitting scores were the Bumpers-Wasps, along with the Rebel-Playboys. A two and one-half point victory was edged out by the Markers over the Wolves.

George Bailey, Tigers, rolled a 235 game for high scratch of the week, and tied with his handicap score of 255 with Bill Sire, all Stars and Tom Pappas, All Stars. Roy Roberts, Has Beens, took series highs with 596 scratch and 659 handicap totals.

The Tigers swept the boards clean with scores of 1007, 1134, 2675, and 3056.

League standings follow:

Team	Won	Lost
Rebels	34	18
Swingsters	34	18
Markers	33½	18½
Sportsmen	32	20
Rippers	20½	21½
Has Beens	29	23
Screwballs	27	25
Bumpers	26	26
Wolves	26	26
Cubs	25	27
All Stars	25	27
Tigers	23	29
Smelters	22	30
Playboys	21	31
Wasps	18	34
Eightballs	10	42

PAPER EATERS

The average American used 350 pounds of paper last year, compared to about 56 pounds 60 years ago.

Ten Pins Take E League Lead Over 4-Squares

Y-12 bowlers in the E League have a new top team, thanks to some fancy rolling by the Ten Pins. The Pins rolled back the previous leaders, the Foursquares, by three points. In doing so the first team took team honors with a 653 single scratch score, an 811 single handicap tally, and a 2260 handicap series, blocked from a clean sweep by the Pintwisters who rolled a scratch series of 1839.

The Cannonballs downed the Alleybees by three and one-half points, while the Pintwisters pegged the Pinquins by three.

Single honors were split four-ways as Jack Williams, Pintwisters, took single scratch tops with 187; Homer Pendley, Ten Pins, had high single handicap game of 226; Harry Hays, Pintwisters, rolled a 505 scratch series; and Fred Jones, Foursquares, rolled a 615 handicap series.

League standings follow:

Team	Won	Lost
Ten Pins	30	22
Foursquares	29½	22½
Alleybees	26½	25½
Pintwisters	24	28
Pinquins	23½	28½
Cannonballs	22½	29½

Rusty 5 Downs Foe Keeping Bush Tops

760's Sweep Board Over Rollmasters

The Rusty Five kept their first berth standings in the Y-12 Bush bowling league last week by downing the Lucky Five for three points. The Dry Hides also clobbered the Hi Balls by three. The only four point win saw the Beavers beat the Rollniks. Winning by three and one-half points, the Seven Sixties rolled over the Rollmasters.

Paul Evans, Beavers, took singles tops, with 208 scratch, 239 handicap scores. Harold Crouch, Rusty Five, capped series honors with 568 scratch and 655 handicap tallies.

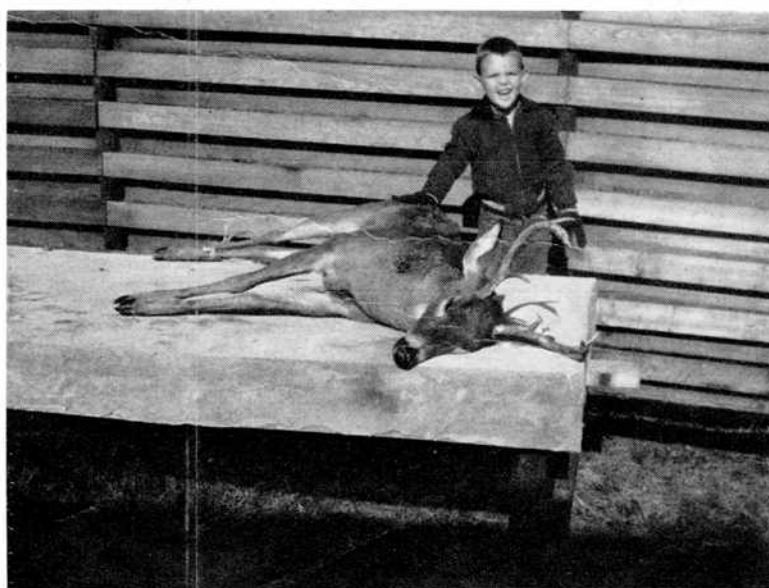
The Seven Sixties swept the boards winning 873, 1048, 2437, 2962 all the way.

League standings follow:

Team	Won	Lost
Rusty Five	12	4
Reagents	8	4
Dry Hides	9	7
Rollmasters	8½	7½
Seven Sixties	8½	7½
Beavers	6	6
Hi Balls	6	6
Lucky Five	6	6
Rollniks	0	16

MINISTERS' SHOULDERS

Emotionally distressed people seek help for their problems first from their clergymen, in 40 per cent of the cases in the United States.



LOOK AT THIS BIG FELLOW. This six-point buck was downed on Central Peninsula recently by E. E. Gregory, Y-12's Fire Department. That's Gregory's three-year old son Tommy admiring the animal that weighed 100 pounds field dressed.

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RETURN POSTAGE GUARANTEED

POSTMASTER: DO NOT FORWARD. IF ADDRESSEE HAS MOVED,
RETURN TO SENDER IMMEDIATELY.



Three riders wanted from Pine Hills, via Blair to West or Bear Creek Portal, straight day. R. W. Curtis, plant phone 7-8465, home phone Harriman 882-9291.

Ride wanted from corner of Mary St. and Magnolia Ave., Knoxville to Central Portal, straight day. J. E. Bennett, plant phone 7-8933.

Ride wanted from West Haven section, Knoxville, to Central or North Portal, straight day. A. S. Preston, plant phone 7-8318, home phone Knoxville 525-5056.

Ride wanted or will join car pool from Jefferson, Oak Ridge, to West or Bear Creek Portal, C Shift. John F. Chamblee, plant phone 7-8280, home phone Oak Ridge 483-0021.

Ride wanted from vicinity of Oak Ridge Highway, Solway Road, to Central Portal, straight day. Bill Thompson, plant phone 7201, home phone Oak Ridge 482-1256.

Ride wanted from 118 West Churchwell (one-half block off Central), Knoxville, to West Portal, straight day. Nora Hurst, plant phone 7-8923, home phone Knoxville 524-4964.

Riders wanted from Woodland section, Oak Ridge, to North or West Portals, straight day. T. B. Norris, plant phone 7-8848, home phone Oak Ridge 483-0515.

Car pool members wanted from West Hills section, Sheffield Drive, Knoxville, to West Portal,

Christmas Giving — Is Yours Gifts Or Goofs?

Do you give gifts or goofs? According to a survey made recently by a New York advertising agency, bill paying is not the number one annoyance of the Christmas season among men. Perhaps they realistically accept the fact that gifts must be paid for, and provide accordingly.

The chief gripe of the surveyed men stemmed from the problem of what to do with unwanted gifts, such as clothing of the wrong size or style and expensive, electrical gadgets that don't work well.

Then what should you give men for Christmas? Gifts that you know they can use, says the pollster. Items named include a useful aid for his favorite hobby, a long-lasting supply of super sharp razor blades, a gift certificate to a convenient store, or a subscription to a well-liked magazine. With such gifts, he'll have reason to think of you gratefully every time he uses them.

Magis Brought Gold, Frankincense And Myrrh

The first Christmas gifts were gold, frankincense and myrrh. The Three Wise Men, or Magi, brought them to the new-born infant in Jerusalem. Frankincense is a spice incense, and myrrh is a reddish-brown aromatic gum resin mixed with labdanum.

straight day. E. A. Pluhar, plant phone 7327, home phone Knoxville 588-5563.

Holiday Bureau Asks For Cheerful Help

With distribution day approaching, activities at the Holiday Bureau in Oak Ridge are at a fever pitch. The toy shop is open every day from noon until 10 p.m. Many tricycles and other wheeled vehicles have been repaired and painted, but the Bureau is still in need of additional good tricycles, as well as small cars, trucks, games and toys which can be repaired and painted in time for Christmas. The Holiday Bureau is located next door to Oak Ridge Motors on East Division Road. The telephone number is 483-6111.

Holiday Bureau Chairman Jerry Goldberg points out that there is also a need for good, used clothing and non-perishable food and canned goods. The clothing, along with shoes purchased through donations to the Bureau, will be distributed free of charge at Christmas. The clothing is handled through the thrift shops in Oak Ridge and Clinton.

Donations of food will be used to supplement the more than 400 food baskets that will be made up by the Bureau for distribution throughout the county, along with the toys and clothing. The remaining families will be supplied food by groups and organizations who work independently of the Bureau but who receive their lists of names from the Bureau. The Holiday Bureau expects to assist some 900 families with over 4,000 children.

Help Needed

Y-12ers may help in many ways. New and repairable dolls, toys, tricycles and games are in urgent need at the repair shop. Good, used clothing and food are also being collected at the shop on East Division Road. Also workers who can handle a tool or a paint brush, or just sort incoming toys, are vitally needed.

Helping the Holiday Bureau prove to Virginia that there is really a Santa Claus can be a satisfactory chore.

Come On Down

Get up a crowd, get your work clothes on, and we'll see you out at Santa's shop any evening. You don't have to call, just be there, ready to go to work!

You can help make some unfortunate family's Christmas brighter with your efforts.



Y-12'S TEAM in the Carbide Rifle League ended up in last place, but they were in there shooting just the same. Kneeling, from left, are Bill C. Sims, Jack Brown and L. E. Sikes. Standing are Bert Searles, George Marrow, H. F. Dick and Bob Powers.



THE BIG INDEPENDENT 22 calibre rifle team won first place in recent competition. The Independents boast many Y-12ers on its staff. Kneeling from left, are Harland D. Whitehead, Sr., his son H. D. Jr., Grady K. Dick, son of Y-12er H. F. Dick. Standing from left are Y-12er Dave DeWalt, Mrs. W. K. Kelley, A. J. Walston, Cecil Kelly and Y-12ers Gerald Holcombe and Art Hensley.

Application For Tickets

TO

Christmas Parties

FOR CHILDREN OF CARBIDE EMPLOYEES

(Ages Two-10 Only)

SATURDAY, DECEMBER 22

Employee's Name _____ Badge No. _____

Home Address _____

(PLEASE PRINT—STREET ADDRESS OR R.F.D., CITY)

NUMBER OF TICKETS (Children) _____

NUMBER OF TICKETS (Adult) _____

— CHECK TIME PREFERRED —

Saturday, December 22 9 A.M. _____ 11 A.M. _____

Only 1 P.M. _____ 3 P.M. _____ 5 P.M. _____

Please check first and second choice (write in space "1" or "2") as only a limited number of tickets will be issued for each party. Preference will be given early applicants and if tickets for first choice are exhausted, tickets for second choice will be issued.

Return this form, properly and completely filled in, immediately to the Y-12 Recreation Office, Room 149, Bldg. 9704-2, NOT LATER than December 18. The required number of tickets will then be mailed to parents at their HOME ADDRESS.

December 19 Paper Is Last Of 1962

Next week's Bulletin is scheduled as the Christmas issue. The eight-page paper will be the last issue of the year. Correspondents are asked to time their news accordingly. Christmas news, vacations, parties, etc., will be included in the giant (for us) paper.

The next issue of the paper (after the Christmas issue) will be dated January 2, 1963. (How time does fly!)

Crossing The Street Is Hazard Of Modern Day

Jay-walking is a serious problem. Many pedestrians without hesitation or thought are walking to their deaths. Others dart out from behind parked cars, dodge traffic in the middle of the street. Some get off busses, out of cars, move into traffic without looking or taking any precautions. This is a sure way to court death or serious injury. Value your life by looking, be sure you can get across the street safely before you step off the curb. Cross streets where possible at crosswalks; obey lights. Remember, you literally take your life in your own hands when you cross the street. Don't rely on some motorist to decide your fate!

HEALTHY MARRIAGES

Nearly half the states in the Union, or 24 to be exact, require health tests before marriage.

20 Years Later . . . More Than 500 Reactors

Although the first nuclear reactor was operated successfully 20 years ago, there are more than 500 research, test, power and special purpose reactors in use or being built today. More than half of the estimated total of 518 reactors are in the United States, the rest are scattered in 46 other countries.

Chairman Glenn T. Seaborg of the United States Atomic Energy Commission, has summarized the 20 year interval since December 1942 as one "in which more progress has been made in science than in all previous history of science."



"Has anyone turned in a mother?"